

Comeau Aerospace Inc.

Ultimate Flying Machine - Design Engineering Projects **CAI-250-S-A1 Intrepid 60 - Strategic & Tactical Airlifter**

- double "cranked" two stage delta high wing aircraft - chevron "A" design;
- cantilever unified wing assembly and unified blended fuselage, stealth
- integrated sliding dovetail design for massive load transfer and custom build
- inner higher sweepback and outer lower sweepback for less drag and low speed;
- long root chord and short wing span strategic and operational advantage over a swept wing;
- supreme structural strength and higher wing loading, less flex, fatigue, major life extension;
- increased internal capacity for fuel and storage, more range and auxiliary options;
- extra high lift aerodynamic design amplifies load characteristics;
- enhanced load balancing, speed range, stability and maneuverability;
- excellent low speed, stall and landing speed and short distance;
- high speed flight and high angles of attack throughout speed range;
- shorter takeoff with higher load, reduced pitch up in landing or takeoff;
- tail less delta wing loading limitations eliminated, and optimised operational range;
- twin movable V tails – increase mobility, stability, lower profile and smaller turning radius

Mission capabilities:

- tactical air re-fueling and operations support
- surface, sub-surface and airspace surveillance
- search and rescue, special operations by government departments
- communications and logistics material deployment, commercial transport

Utility features:

- personnel and freight, 100+ passengers;
- aft entry cargo doors, integrated ramp and loading system, door in door fuselage doors;
- Options: to optimise mission design elements;
- Options: custom and removable seating, freight and fuel tank container modules;
- Options: low signature profile, avionics, communications and counter-measures;

Aircraft Specifications and Performance:

AC 250-S-A1 Intrepid 60 AC 250-SG-air to air refueling

- Empty weight: 120,000 lbs ● Payload: 60,000 lbs (45,000) ● Fuel load: 60,000 lbs (75,000)
- Max takeoff weight: 240,000 lbs; ● Max Range: 3,000 nm ; 1,500 nm loaded
- Cargo: 10'-6" wide ● 9'6" high ● 50' long ● with ramp 60' long ; ● 12' wide exterior;
- Length: 135' ● Wingspan: front – 92' & rear – 132'
- Wing area: 4,160x sq/ft. ● Wing Load: 57.7 lbs/sq.ft.
- cranked delta: front – 40' W x 32' L (1,280x) & rear - 60' W x 48' L (2,880x);
- Max. Speed: 600 kts+ Climb Rate: est 5,000'/min Service Ceiling: 50,000'
- Takeoff run at MTOW: 3,000' Landing distance: 2,000 ft ;
- Engines: 4-20,000 lbs thrust (80,000 lbs) [turbofan & reverse thrust]

Jetstream Vision

- Price: est. \$135 million ● Production Vision: initial 10+ aircraft; 20+ aircraft within 10 years
- Job Creation Vision: 5,000 long term jobs, high value added;
- Investment & Acquisition Vision: cargo of capital structure and aircraft specific options;
- Pilot Vision: "Nice plane...fast, efficient, economical, deploy forces, refuel aircraft, logistics, land and take-off just about anywhere!

CAI-250-S A1 Intrepid 60 - Strategic & Tactical Airlifter

Power, speed, altitude, range, capacity, agility, stealth...

The ultimate flying machine adventure.